



PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Pa
PO039683	ACI001-VC	3	1	Net 30	M304R4,000	304 SS Round Bar 4.000" : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE				2	5/7/2018	2		S066896	Stock	4/30/2018	\$ 155.97 / ft	0	
					M6061T6S2.250X13.500	6061-T6 Sheet 2.250" Thick x 13.500" Wide cut to size: 16.750" : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209													
<b>Total:</b>										<b>11</b>		<b>11</b>							

Plex 4/30/2018 11:34 AM Dart.Dubois.Pascal



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

## PURCHASE ORDER PO039683

E-MAILED  
APR 24 2018  
APR 24 2018

<b>Supplier:</b>	ACI001-VC Acier Ouellette Inc. 935 Boul. Du Havre Valleyfield QC J6S 5L1 Canada Phone: 800 667 4248 Fax: 450 377 5696	<b>PO No:</b>	PO039683
		<b>PO Date:</b>	4/24/18
		<b>Due Date:</b>	5/3/18
		<b>Purchase Order Revision:</b>	
		<b>Revision Date:</b>	
		<b>Ship-To Contact:</b>	Phone:
		<b>Via:</b>	Ground
<b>Ship To:</b>	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	<b>Pymt Terms:</b>	Net 30
		<b>Freight Terms:</b>	
		<b>Special Comments:</b>	

### Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	MT-4140-S-0.375		AISI 4140 Steel Sheet : AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395	Firmed	5/3/18	48 sf	0 sf	48 sf	\$44.791666/sf	\$2,150.00
2	MT-4140-B-1.625X5.000		4140 Steel Bar 1.625 X 5.000 : MATERIAL: AISI 4140 / 4142 STEEL BAR MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626, MIL-S-24093 receive ft	Firmed	5/3/18	3 ft	0 ft	3 ft	\$88.333333/ft	\$265.00

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	M304R4.000		304 SS Round Bar 4.000" : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE	Firmed	4/27/18	2 ft	2 ft	2 ft	\$155.965/ft	\$311.93
4	MT-4140-B-2.250X8.000	CUT TO SIZE: 14.750"	AISI 4140 Steel Bar : Material: AISI 4140 STEEL BAR AS PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MIN. ROCKWELL C = 28 RC MAX. ROCKWELL C = 32 RC	Firmed	5/3/18	4.917 ft	0 ft	5 ft	\$174.92/ft	\$860.08

Line Item Note Please cut into 4 pieces of 14 3/4"

5	M6061T6S2.250X13.500		6061-T6 Sheet 2.250" Thick x 13.500" Wide cut to size: 16.750" : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209	Firmed	4/27/18	9 ft	0 ft	9 ft	\$252.00/ft	\$2,268.00
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Line Item Note Please Cut into 9 pieces of 16 3/4"

Grand Total: \$5,855.01

## Order Notes



# DELIVERY - CLIENT

Copy CO00085657

## ACIER OUELLETTE INC.

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**Billed to**  
DART AEROSPACE LTD

1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Instruction** F-M  
**Delivery Route** 5

Att : CHANTAL LAVOIE Tél.: 613-632-5200

**Page** 1

### Shipped to

, Ontario,

**Customer N°**

CL0001056

**Date**

2018/04/24

**Delivery date**

2018/04/30

**Your order N°**

039683

**Processed by**  
Josianne Bourdon

**Salesman**  
OUELLETTE VALLEYFIELD

<b>Instruction</b>	<b>Product Description</b>	<b>Weight</b>	<b>Qty</b>	<b>U/M</b>	<b>Internal Use Only</b>				<b>1</b>	<b>APR 30 2018</b>
					<b>CMD</b>	<b>EXP</b>	<b>B/O</b>	<b>IN</b>		
<b>1</b>	ROUND SS 4 304 RANDOM NS RSS-4-V 8415	85.46	2.00	PI_SSCLB			1			DAS 11 0-30
	1 X 24" LINE 3 AC15635-TH-26/04 HEAT: 448L				X	24	4			
<b>2</b>	ALU PLATE 2 1/4 6061-T651 RANDOM PAL-2146061-V 7464	454.00	14.13	PI2_SSCLB			9	X		DAS 11 0-30
	9 X 13 1/2" X 16 3/4" LINE 5 AC15635-TH-26/04 HEAT: 12-5366									APR 30 2018

**Total Weight (Lbs) :** 539.46

**NIR :** R-109516-6

**Conditions :**

All sold and delivered materials remain the property of "Acer Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acer Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acer Ouellette Inc" to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due on the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

**Total (\$CAD)**

<b>Prepared By :</b>	<b>Verified By :</b>	<b>Delivered By :</b>	<b>Time</b>	<b>Y</b>	<b>M</b>	<b>D</b>
		SK		1	8	04 30

Customer's Signature

Date

Dark

PO/Rel

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

PART NO.

Signed by:

Pg 1/1

BL PEC-000000-000

## Certificate of Mill Test Results



740 Imperial Road North  
Guelph, ON N1K 2Z3  
Canada

## METALLURGICAL TEST REPORT

6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000

Certificate: 313610 2 Mail To:  
Customer: 007206 001

Ship To:

~6

Your Order: PEC283928 NAS Order: PN 0081230 10

Date: 7/19/2017 Page: 1

Signature

Steel: 304/3001

## REMARKS:

COMPLIES W/ REQUIREMENTS OF DPAR 252-225-7009 EU DIRECTIVE  
2011/65/EU-ROHS, EAF+AO+CC, NO WELD REPAIR, MELTED AND MFG  
IN USA, FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION  
ASME SB-79/16A, ASME SA182/16A, CHEM ONLY  
AMS 5639J, AMS 5647J, AMS QS-763F, QQS-763F  
NACE MR0175-09/MR0103-07 (MID RADIUS ONLY), ASTM F899/12B  
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8  
ASTM A193/10A-ASME SA193/10 CL 1 GR B8 (EXC FAR 7.2)

## Product Id

## Skid #

## Diameter

## Size

## Weight

## Length

## Mark

## Pieces Commodity Code

B18248 0

4.0000

4.024

144.00

2

1

## Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323

## Chemical Analysis per ASTM A751/14a

NAS Heat	Chemical Analysis (Country of Melt)			US(United States)	ES(Spain)	ZA(South Africa)	JP(Japan)			
	CM	C %	CO %							
448L	US	.024	.16	18.75	.36	1.51	.28	.082	8.56	.029
		S %	SI %							
		.0215	.26							

## MECHANICAL PROPERTIES

Product Id	1 d c i c r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
B18248 0	R L	173.0	49.00	90.00	57.00	42.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy  
of the test methods used, the material meets the specifications stated. These results relate only to the items  
tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

KRIS LARK  
7/19/2017

85657

Dart

PO 15635 N



## INSPECTION CERTIFICATE № 17.133420

EN 10204 - 3.1

Consignor: KAMENSK URALSKY METALLURGICAL WORKS JOINT STOCK COMPANY 5, Zavodskaya Str., Kamensk Uralsky, Sverdlovsk Region, 623405, Russia Tel: +7 (3438) 39 54 17 Fax: +7 (3438) 39 52 49											
Buyer: A.S. Mill Products, Inc.				Quantity, pcs:	2						
Consignee: A.S. MILL PRODUCTS, INC.				Net Weight, kg:			1410				
P.O. No: NJ AUG				S.O. No:	N17253						
Article No:				Item No:	1.1						
				Package No:	614904						
Description of Goods: Plates				Requirements on the Product:							
Grade of Product		Dimensions, Inch (mm)		Material conforms to quality of alloy: 6061 T651							
-		2.25"X48.5"X144.5" 57.150X1231.9X3670.3		Product conforms to all requirements of: ASME SB-203 Section II Part B (2010); ASTM B209-14; SAE AMS-QQ-A-250/11A (2008); SAE AMS 4027 Rev. N (2014). This product conforms to European Union RoHS Directive 2011/65/EU							
Mechanical Properties											
The Condition of Tested Standards	Lot No.	Heat lot No.	HT Charge No.	Sampling direction	Tensile Strength, Rm / Cut kN		Yield Strength, Rp0.2% / Clenching test kN	Elongation, %		Hardness, HBW	
					min	max		min	max		
Required			LT		42.0	-	35.0	-	8	-	
-	649085	(12-6366)	08014	LT	45.3	45.5	42.3	42.3	10.2	10.4	
Chemical Composition, %											
Element	Silicon Si	Iron Fe	Copper Cu	Manganese Mn	Magnesium Mg	Chromium Cr	Zinc Zn	Titanium Ti			
Required	0.40 - 0.6	0.7	0.15 - 0.40	0.15	0.8 - 1.2	0.04 - 0.35	0.25	0.15	-	-	-
Contains	0.65	0.36	0.19	0.09	1.0	0.06	0.05	0.07	-	-	-
Element	-	-	-	-	-	-	-	-	Other Elements	Aluminum	Al
Required	-	-	-	-	-	-	-	-	Each	Total	0.15 remainder
Contains	-	-	-	-	-	-	-	-	0.05	0.15	0.15 remainder
Other Tests											
Method	Macro-structure	Micro-structure	UT	KIC	Electro-conductivity, IACS%	SCF	Contents H2 of metals cm3/100gr	Raw material used for manufacturing supplied products was tested for compliance with international radiation safety regulations during incoming inspection. Russia is country of melt and manufacture.			
Result	-	-	-	-	-	-	0.17				

On behalf:

KUMZ J.S.Co.

Date:

05.09.2017

QCB Inspector

Zyryanova K.V.

Inspection Department Engineer METALLURGICAL WORKS

Alechina N.V.



The Certificate has been agreed electronically.

Form № QAD/3-003, Revision 03

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6064652.250X13.00  
 DATE: APR 30 2018

PO / BATCH NO.: 039683/5066897

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 9 Pcs  
 QUANTITY INSPECTED: 9 Pcs  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.250  
 THICKNESS RECEIVED: 2.250  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>As per B209</i>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>Heat # 12-5366</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>11</u> <u>9-69</u>	SIGNED OFF BY: _____
DATE: <u>APR 30 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL: 6061-T6/T62/T651 ALUMINUM SHEET OR PLATE

SPECIFICATION:  
QQ-A-250/11 OR AMS-QQ-A-250/11  
OR AMS 4025 QR 4027  
OR ASTM B209

△ PART NUMBER:

M6061T6S|XXX|X|W.WWW|  
THK|WIDTH|

WHERE "XXX" = THICKNESS (IN INCHES)  
AND "W.WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)

EG. 0.063" THICK SHEET = M6061T6S.063

EG. 3.5" WIDE BY 0.500" THICK PLATE = M6061T6S.500X3.500

△ PREFERRED SIZE: XXX BY 4FT BY 8FT FOR SHEET

C	ADD PLATE AND T651 SPEC	ML	17.12.13
B	REFORMAT DWG. ADD B209 SPEC (ZN D8-1). REF PAR 08-020A	CP	09.07.13
A	NEW ISSUE	RF	01.06.08
REV.	DESCRIPTION	BY	DATE
D	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DESIGN	DS		
DRAWN	ML	DRAWING NO.	
CHECKED		NO	
MFG. APPR.	JFS	JFS	
APPROVED	HS	TITLE	
DE APPR.	CP 47	6061-T6 SHEET/PLATE SPEC	NTS
DATE	17.12.13	CP 47	COPYRIGHT © 2010 BY DART AEROSPACE LTD

3

APPROVED

RELEASER  
2010 MAR 13 97  
Eo 18-655

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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 11304R4.000  
 DATE: APR 30 2018

PO / BATCH NO.: 039683/5066896

MATERIAL CERT REC'D: YES  
 QUANTITY RECEIVED: 2  
 QUANTITY INSPECTED: 2  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 4.000  
 THICKNESS RECEIVED: 4.000  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	<i>ASTM A276</i>
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	<i>Heat # 448L</i>
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____
DATE: <u>9-89 APR 3 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS ROUND BAR  
(NOTE: AISI 303 NOT ACCEPTABLE)

△ SPECIFICATION: ASTM A276  
PART NUMBER: M304R D DDD  
DIA.

WHERE "D.DDD" = DIAMETER IN INCHES  
EG. 0.75" ROUND BAR = M304R0.750

RELEASED  
*CD/BS/MS*

B	REFORMAT DWG. ADD SPECS (ZN D6-1). REF FAR 08-020A	CP	09-07-15
A	NEW ISSUE	AS	08-03-03
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>JLS</i>	<b>DART AEROSPACE LTD</b>	
DRAWN	<i>gj</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>AS</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>AS</i>	M304R	SHEET 1 OF 1
APPROVED	<i>AS</i>	TITLE	SCALE
DIE APPR.	<i>AS</i>	304/316 ROUND BAR	NOTS
DATE	09-07-15		

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